(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/060242 A1

(51) International Patent Classification7:

H04N 5/225

(21) International Application Number:

PCT/KR2004/003364

(22) International Filing Date:

20 December 2004 (20.12.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0093980

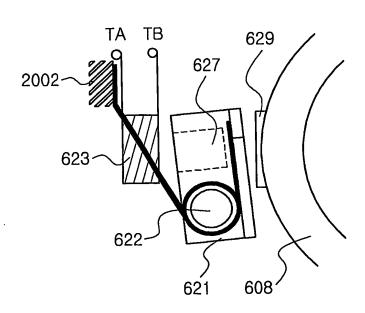
	19 December 2003 (19.12.2003)	KR
10-2004-0020818	26 March 2004 (26.03.2004)	KR
10-2004-0026082	16 April 2004 (16.04.2004)	KR
10-2004-0026083	16 April 2004 (16.04.2004)	KR
10-2004-0026084	16 April 2004 (16.04.2004)	KR
10-2004-0042166	9 June 2004 (09.06.2004)	KR
10-2004-0044459	16 June 2004 (16.06.2004)	KR
10-2004-0051123	1 July 2004 (01.07.2004)	KR
10-2004-0063158	11 August 2004 (11.08.2004)	KR
10-2004-0065453	19 August 2004 (19.08.2004)	KR
10-2004-0104065		
	10 December 2004 (10.12.2004)	KR

(71) Applicant (for all designated States except US): HYSONIC CO., LTD. [KR/KR]; 202, Business incubator Center, Hanyang Univ., 1271, Sa1-dong, Sangnok-gu, Ansan-si, Kyeonggi-do 425-791 (KR).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): OH, Hyeong-Ryeol [KR/KR]; 103-704, Daelim Apt., 411, Sangdo-dong, Dongjak-gu, Seoul 156-030 (KR). JUNG, He-Won [KR/KR]; 202, Business incubator Center, Hanyang Univ., 1271, Sal-dong, Sangnok-gu, Ansan-si, Kyeonggi-do 425-791 (KR).
- (74) Agent: NAM, Sang-Sun; 9th Fl., Maekyung Media Center, 30, 1-Ga, Pil-dong, Jung-Ku, Seoul 100-728 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: IMAGE PHOTOGRAPHING APPARATUS



(57) Abstract: The present invention relates to an image photographing apparatus for always focusing an image photographed by an image is capture device automatically to improve the image quality. The present invention automatically focuses the image through a zoom actuator for changing a zoom ratio and a focus actuator for controlling the focus to thereby enhance the image quality. the invention further adds a zooming function to diversify the application fields of an image photographing.



WO 2005/060242 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report